

DERWENT-ACC-NO: 1994-232589

DERWENT-WEEK: 199428

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TITLE: Quick-release coupling for machine  
components - has washer with eccentric aperture and  
curved slots fitted to lug, through which locking pin passes  
and engaging with groove in pin when turned

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PRIORITY-DATA: 1991SU-4937060 (May 20, 1991)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
SU 1810630 A1		April 23, 1993	
002	F16B 021/06		N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
SU 1810630A1	N/A	
1991SU-4937060	May 20, 1991	

INT-CL (IPC): F16B021/06

ABSTRACTED-PUB-NO: SU 1810630A

BASIC-ABSTRACT:

The coupling consists of a U-clamp with two lugs to receive a locking pin with an annular groove for a locking washer.

The locking washer has two curved slots (7) which lie concentrically with its

central aperture (5), while both the slots and the aperture are eccentric in relation to the washer's axis.

The locking washer is attached to the outer surface of the lugs by screws through the two slots, which enable the washer's aperture to align with the hole through the lug when turned in one direction. In that position, the locking pin can be inserted and the washer is then turned back in the opposite direction to engage with the groove in the pin to hold it in place.

ADVANTAGE - Design simplicity, easy to manufacture and more reliable operation.  
Bul.15/23.4.93

CHOSEN-DRAWING: Dwg.2/2

TITLE-TERMS: QUICK RELEASE COUPLE MACHINE COMPONENT WASHER  
ECCENTRIC APERTURE  
CURVE SLOT FIT LUG THROUGH LOCK PIN PASS ENGAGE  
GROOVE PIN TURN

DERWENT-CLASS: Q61

SECONDARY-ACC-NO:  
Non-CPI Secondary Accession Numbers: N1994-183873